

CLAIMS

1. In a powered input device for a touch screen system and display screen that includes an electronic signaling circuit in the input device, the improvement

5 comprising:

at least one photovoltaic cell supported by said powered input device;

said at least one photovoltaic cell connected to power said electronic signaling circuit;

10 said input device being free of any mechanical connection to said touch screen system;

said at least one photovoltaic cell being disposed to receive light from said display screen when said input device is used with said touch screen system, whereby said input device is powered at least in part by the light emitted by said display screen.

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2. The improved powered input device of claim 1, wherein said input device is free of any electrical wire connection to said touch screen system.

3. The improved powered input device of claim 1, wherein said input
20 device includes a generally transparent bezel, and said at least one photovoltaic cell is disposed within said bezel.

4. The improved powered input device of claim 3, further including a barrel adapted for manual grasping, said bezel extending annularly about a portion of said barrel.

5 5. The improved powered input device of claim 4, further including a proximal tip joined to said bezel and to said barrel.

6. The improved powered input device of claim 5, wherein said proximal tip comprises an output element for said electronic signaling circuit.

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7. The improved powered input device of claim 5, wherein said bezel is oriented to direct light from said display screen toward said at least one photovoltaic cell whenever said proximal tip is placed in close proximity to or touching said touch screen system.

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8. The improved powered input device of claim 1, further including means for storing electrical energy generated by said at least one photovoltaic cell.

9. The improved powered input device of claim 8, wherein said input
20 device is free of any electrical connection to said touch screen system.

10. The improved powered input device of claim 1, wherein said at least one photovoltaic cell generates sufficient voltage and current from the average

light received from said display screen, when said input device is in use with said touch screen system, to comprise the sole power source of said electronic signaling circuit.